



OEM

Industrial

Commercial

Marine



Coils Custom Built to Your Specifications

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Coilmaster Corporation **The Service You Expect.** **The Quality You Deserve.**

Quality

Coilmaster's experienced sales, engineering, and production staffs are committed to providing quality in every step of our operation. Every product undergoes stringent leak testing and quality inspection to ensure a product our customers deserve.

Delivery

Coilmaster's total commitment to quality goes beyond just the manufacture of the product. That is why we ship our coils in only heavy-duty cartons or wooden crates to ensure damage-free delivery.

Service

Coilmaster's engineering department can provide you with the most cost-effective selections for your specific performance requirements. Our qualified staff can assist you with the most challenging requests.

Price

Coilmaster offers competitive pricing in the industry, and matched with our total quality commitment and on-time deliveries, we take pride as a manufacturer that meets or exceeds customer expectations.

Coil Selection Software

Coilmaster has developed one of the most comprehensive yet user-friendly coil selection programs in the industry. Using this state-of-the-art program, you can be assured that you will get the most cost-effective solution to your requirement. Contact us for your copy or let our staff do selections for you.



Coilmaster

...is a modern state-of-the-art manufacturing facility dedicated to providing the highest quality heat transfer coils available in the industry. Our total commitment to quality and our flexibility in manufacturing are our assurance to our customers that we can provide a product that will meet most any requirement and meet or exceed customer expectations. Our sales and engineering staff are available to assist you to provide the right coil design for your application. Let us put our resources to work for you.

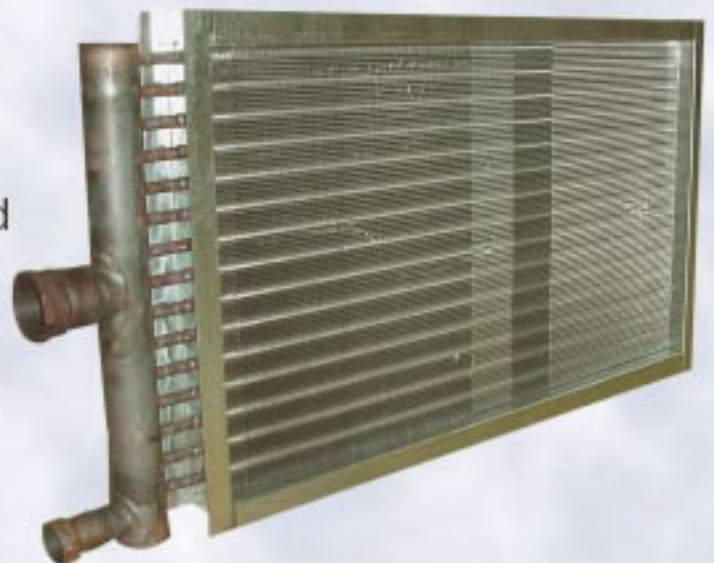
Water Coils

Chilled and hot water coils are manufactured for virtually any water or glycol system. Coil circuiting makes coils drainable, and vents and drains are standard on all headered coils. Custom casings, fin material, and circuiting are available for almost any application.



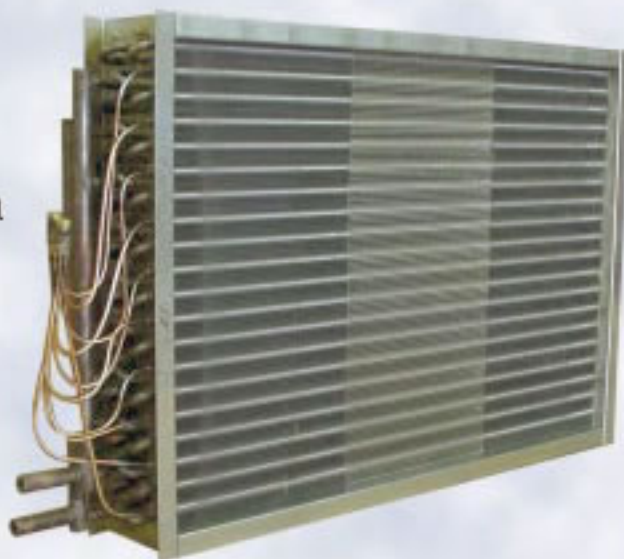
Steam Coils

Standard steam and steam distributing coils are manufactured using heavy wall copper tubes for industrial and commercial applications. Pitched tubes and casings are available for virtually any mounting configuration.



Evaporator Coils

Direct expansion coils are available for a variety of applications from comfort cooling to industrial process cooling. Circuiting options include intertwined circuiting and face or row split. Distributors with hot gas side ports can be provided upon request.



Condenser Coils

Condenser and heat reclaim coils can be provided with single or multiple sections to meet the requirements of almost any application. Separate subcooling sections for condenser coils can be designed and custom circuited in the coil.



Booster Coils

Hot water booster coils in one and two-row designs can be provided in single and two-feed coils, or headered for reduced pressure drop. Slip and drive casings can be provided upon request, as well as alternate fin spacing to meet your particular capacity requirement.



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Quality OEM and Custom Replacement Coils

- Chilled Water
- Hot Water
- Glycol
- Cleanable
- Steam
- Steam Distributing (Non- Freeze)
- Condenser/Heat Reclaim
- Direct Expansion/Evaporator

Construction Features

Fin Patterns

- 5/8 x 1.5 x 1.299 (staggered)
- 1/2 x 1.25 x 1.082 (staggered)
- 3/8 x 1 x .866 (staggered)
- 3/8 x 1.25 x 1.082 (staggered)
- 1x 3 (One row)

Fin Materials

- Aluminum .006, .0075 & .010
- Poly Coated Aluminum .006
- Copper .006

Header Materials

- L Copper
- K Copper
- Steel (w/copper adapters)

Casing Materials

- 16, 14, & 12 gauge Galvanized Steel
- 16 gauge, 304 or 316 Stainless Steel
- Copper
- Aluminum

Fin Spacing

- 4 to 14 FPI
- 6 to 18 FPI
- 7 to 21 FPI
- 6 to 18 FPI
- 4 to 14 FPI

Tube Thickness

- 5/8—.020, .025, .035 & .049
- 1/2—.016, .025
- 3/8—.014, .016 & .023
- 1—.023, .035 & .049

Connections

- Copper MPT & FPT
- Steel MPT
- Copper Sweat
- Sizes from 1/2" to 4 1/8"

Casing Styles

- Stackable
- Inverted
- Pitched
- Flanged
- Slip & Drive

- Booster coils with flanged or slip & drive casings in stock from 6" x 6" to 30" x 60".
- Heavier wall return bends can be requested to protect against erosion effects.
- DX circuiting to meet your needs whether it be intertwined, row split or face split.
- Other coatings offered as specified include, but are not limited to, Heresite and Electro-Fin.
- Tube bundles and split coils are also available.
- Accommodates all refrigerants.

There are no limitations to the lines we offer. If you design it, we can build it!

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Coil Specifications

General

Coils shall be furnished as per the following specifications. Rows and fins per inch shall be based on performance requirements or on existing coil (if replacement).

Tubes

Tubes shall be seamless drawn copper of specified diameter and wall thickness and shall be mechanically expanded into the fins to ensure maximum contact and heat transfer efficiency.

Fins

Secondary (fin) surface shall be continuous plate fins of specified material and thickness die-formed to a corrugated surface for maximum heat transfer. Fins shall be accurately spaced with die-formed collars that completely cover the tube surface between each fin.

Circuiting

Circuiting shall be selected to provide the optimum performance with minimum pressure drop. Water coils shall be circuited such that each circuit is drainable. Refrigerant coils shall be circuited so that there is no trapping of refrigerant or oils.

Headers

Headers shall be heavy wall copper with brazed concave end caps on 1-5/8" headers and larger, and flat end caps on 1-3/8" headers and smaller. Water coil headers shall have vents and drains, and MPT connections as standard. Refrigerant coils shall be sealed with brazed caps on connections.

Casing

Casing shall be of specified material and shall be constructed such that the coil is fully supported by the casing, and mounting of the coil can be accomplished without modification to the coil. The casing shall be flanged on all four sides, and shall have intermediate supports whenever finned length exceeds 50". Top and bottom side plates shall have stackable type flanges for ease of installing coils on top of one another. Steam coil end plates shall have collared tube holes to eliminate wear at the end plate.

Brazing and Testing

Coils shall be hand brazed using high temperature silver-bearing material for all joints, and leak tested at 500 psig under water using dry nitrogen. Refrigerant coils shall be shipped with a nitrogen holding charge.

Additional Products

Coilmaster Corporation offers a full line of remote air-cooled condensers for most any application as well as a full line of fluid coolers for most any non-corrosive fluid application. Consider the possibilities...

Remote Air-Cooled Condensers

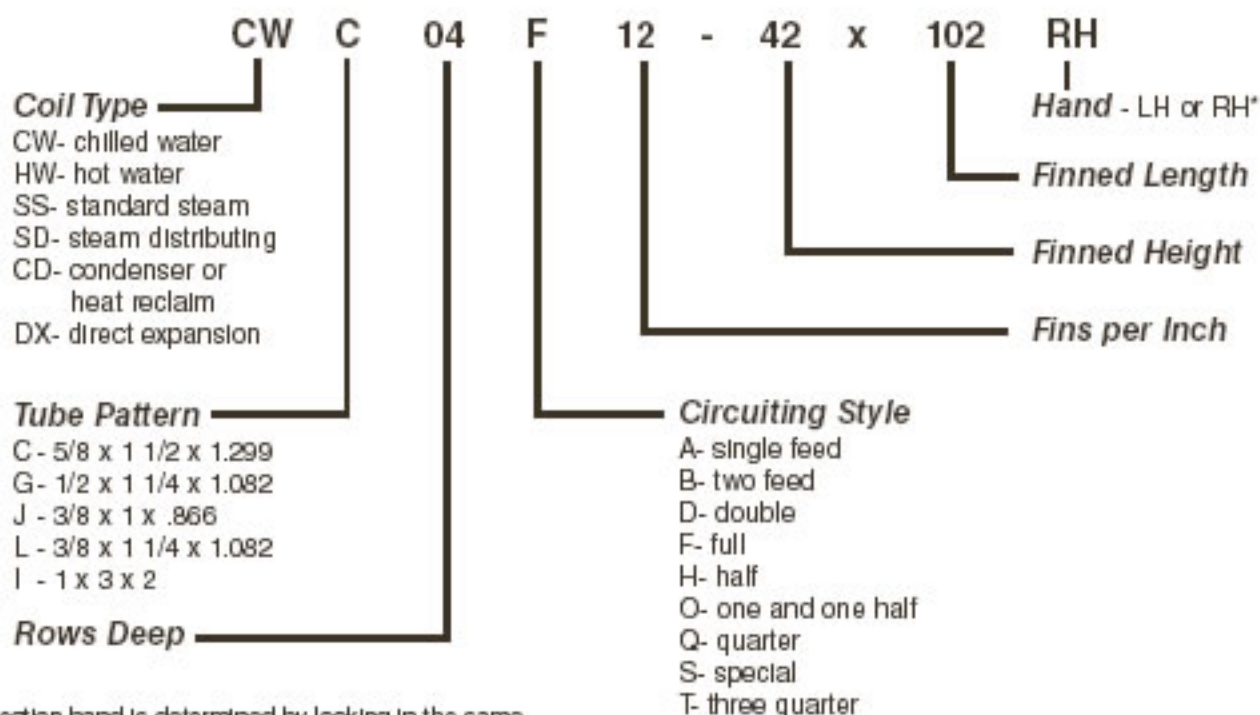
- Supermarkets
- Air Conditioning
- Refrigerated Warehousing and Process Refrigeration

Fluid Coolers

- Cold weather economizer for interior cooling loads
- HVAC and computer room air conditioning
- Industrial cooling applications such as machinery cooling jackets and electrical gear

The offering in each line includes twenty-nine single fan-width models and twenty-two double fan-width models. Maintenance friendly flip-top panels, wide fin spacing for dirty environments, special non-corrosive fin materials and coatings, and control arrangements to fit your requirements are just a sampling of the endless options available. A complete catalog detailing our full capabilities is available. Contact us for your copy!





*Connection hand is determined by looking in the same direction as the airflow with the air at the back of the head.

